INVENTORY OF ONTARIO PROVINCIAL FUNDING PROGRAMS APPLICABLE TO REMEDIAL ACTION PLANS (RAPs)

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BACKGROUND ON THE RAP PROGRAM

In 1972 and 1978 the Governments of Canada and the United States entered into agreements to restore and enhance water quality in the Great Lakes. In 1987, the Governments signed a Protocol amending the Great Lakes Water Quality Agreement of 1978, reaffirming their commitment to restore and maintain "the chemical, physical and biological integrity of the waters of the Great Lakes Basin Ecosystem."

In Canada, the implementation of the Great Lakes Water Quality Agreement is a federal-provincial cooperative effort. The Governments of Canada and Ontario recognize their shared responsibility to maintain the aquatic ecosystem of the Great Lakes Basin and they have provided for this through the 1986 Canada-Ontario Agreement Respecting Great Lakes Water Quality (COA).

Annex 2 of the 1987 Protocol and the Canada-Ontario Agreement commit the federal and provincial governments to the development and implementation of systematic, ecosystem based Remedial Action Plans (RAPs) to restore and protect beneficial uses in "Areas of Concern".

The Water Quality Board of the International Joint Commission (IJC), in conjunction with federal, provincial and state agencies, has identified 42 Areas of Concern involving major municipal and industrial centres in Canada and the United States. In these areas, water quality is degraded and beneficial uses of water and the biota are adversely affected. Special efforts are needed to restore water uses and protect water supplies, recreation and aquatic life.

There are 17 Areas of Concern on the Canadian side of the Great Lakes (Table 1). Twelve are wholly within Canada and five are shared with the United States on the interconnecting channels. RAPs are being developed under the direction of a Canada-Ontario Agreement (COA), RAP Steering Committee and 17 RAP Teams, each with participants from federal and provincial agencies.

Remedial Action Plans are to identify and describe: the environmental problem and extent of area affected; impaired uses; causes and pollution sources; remedial measures proposed; schedules for implementation; responsibilities for remedial measures and a process for monitoring implementation. An environmental surveillance and monitoring program would track and confirm the effectiveness of the remedial program and restoration of uses.

Remedial Action Plans will be submitted to the International Joint Commission for review and comment at three stages:

1) when a definition of the problem has been completed;
2) when remedial and regulatory measures have been selected; and,
3) when monitoring indicates that identified beneficial uses have been restored.

Extensive public involvement in the Remedial Action Plan process is provided through close consultation with local stakeholders (eg. municipalities, industries, aboriginal peoples, universities, interest groups and the general public). Public involvement is an essential component in defining impaired uses, selecting water use goals, and evaluating remedial options. Guidelines and public information programs have been developed for use by local public advisory committees.

Development of Remedial Action Plans will be undertaken by all those with an interest in or responsibility for an Area of Concern. Implementation of the Plan will be the joint responsibility of all jurisdictions and stakeholders with a direct responsibility for the Area of Concern. RAPs need, therefore, to reflect the priorities and concerns of the community as well as established international, federal and provincial water quality objectives.

The RAP program is now in a transitional phase from plan development to plan implementation. The intent of this report is to provide information in support of this transition.

INTRODUCTION

The objective of this study was to provide a descriptive overview of provincial funding programs that have potential for use in the preparation and implementation of Remedial Action Plans (RAPs). Information was obtained on the participants, objectives, timetables, geographic areas covered, activities supported, funding methods, past and present annual allocations and expenditures and eligibility criteria of each program. This information may be used by RAP Teams and Public Advisory Committees to direct them toward provincial programs suitable for required remedial projects. The assembled information may also aid in the identification of deficiencies in the scope of existing programs and their ability to adequately support activities required in RAP implementation. The report user is advised to obtain up-to-date information on programs from the contact persons identified; this report will be periodically updated to reflect program changes.

METHODS

All ministries that have a potential interest in RAP implementation were contacted in order to establish the existence of funding programs that could provide financial assistance for remedial actions. Information on each program was then obtained either through verbal communication with a contact person or from literature (brochures, factsheets, and program guidelines). Program description headings and outlines were prepared for all applicable programs. Programs were then categorized according to the problems they addressed and the sectors to which they applied (the sectoral divisions were established prior to this study to reflect the wide and diverse range of problems facing RAP teams).

Programs have been ascribed to the following sectors: municipal, agricultural, industrial, recreational, general environmental protection, and household. Within each sector, typical classes of possible remedial measures addressed by RAPs were defined (Table 2). Programs were categorized in terms of their applicability to these measures and in terms of the form of assistance provided. Six forms of assistance have been

defined: capital costs, operational costs, technical advice and assistance, education and promotion, demonstration, and research and development.

RESULTS

The final list of applicable programs contains 32 existing programs and 1 proposed program (Table 3). Each program is listed according to the provincial ministry that is the lead agency for its funding and administration. Ministries and their programs are listed alphabetically. Numerical references have been assigned to each program to allow for easier referral (Table 3).

The majority of the total number of programs documented are supported by the Ministry of the Environment (22). The Ministry of Agriculture and Food also has several applicable programs in place (5). There are four other ministries that administer programs which have potential for application to RAPs: Energy; Industry, Trade and Technology; Natural Resources; and Tourism and Recreation. Of the six primary sectors, the municipal (Table 7) and agricultural (Table 4) sectors receive the most support from funding programs.

While the municipal and agricultural sectors are most thoroughly covered through available funding, the municipal sector has one noticeable gap. This is in the "urban runoff controls" subsector. As the program support among the sectors is found to vary, so do the different "activities supported" within the sectors. Capital costs are most frequently the object of funding, followed by operational costs, technical advice and assistance, education and promotion, research and development, and demonstration. The education and promotion aspect, while included in several programs, does not receive high priority for funding, with a few exceptions (example, Ontario Pesticide Education Program). RAP teams have recognized the importance of public involvement and education and have incorporated it as a major part of the remediation process.

TABLE 1: THE 17 CANADIAN AREAS OF CONCERN

Lake Superior:	Peninsula Harbour
	Jackfish Bay
	Nipigon Bay
	Thunder Bay
Lake Huron:	Collingwood Harbour
	Severn Sound
	Spanish Harbour
Lake Erie:	Wheatley Harbour
Lake Ontario:	Bay of Quinte
	Port Hope
	Toronto Waterfront
	Hamilton Harbour
Connecting Channels:	St. Marys River
	St. Clair River
	Detroit River
	Niagara River
	St. Lawrence River

TABLE 2: PROVINCIAL SECTORS AND POSSIBLE RAP REMEDIAL MEASURES

Sector		Possible Remedial Measure
Agriculture	i)	Reduced Tillage Practices
(Table 4)	ii)	Reduced Agricultural Chemical Use
	iii)	Erosion Control
	iv)	Animal Waste Storage and Handling
Household	i)	Household Hazardous Waste Controls
(Table 5)	ii)	Reduced Pesticide/Herbicide Use
	iii)	Animal Waste Controls
	iv)	Waste Reduction
Industrial	i)	Indirect Discharge Controls
(Table 6)	ii)	Direct Discharge Controls
	iii)	Site Runoff Controls
	iv)	Site Clean-up
	v)	Groundwater Contamination Controls
	vi)	Spill Prevention and Control
	vii)	Waste Reduction
Municipal	i)	Sewage Treatment Plants
(Table 7)	ii)	General Water Pollution Control
	iii)	CSO/Storm Sewer System Upgrades
	iv)	Urban Runoff Controls
	v)	Landfill Controls
	vi)	Waste Reduction
	vii)	General Community Improvement
Recreational	i)	Beaches Remediation
(Table 8)	ii)	Recreational Fishing Practices
	iii)	Recreational Boating Practices
	iv)	Community Recreation
General Environmental	i)	Habitat Development/Protection
Protection	ii)	Fish Community Management
(Table 9)	iii)	Wetlands Protection
	iv)	Aquatic Bird Population Management

TABLE 3: PROVINCIAL PROGRAMS THAT PROVIDE POTENTIAL FUNDING MECHANISMS FOR RAPs

Ministry	Program Code	Title
Agriculture and Food	OMAF1	Food Systems 2002
	OMAF2	Integrated Pest Management Program
	OMAF3	Joint Agricultural Soil and Water Conservation Program
	OMAF4	Land Stewardship II
	OMAF5	Ontario Pesticide Education Program
Energy	ENERGY1	Energy From Waste Capital Assistance Program
Environment	MOE1	Capital and Direct Grants Program for Municipal Water and Sewage Infrastructure Development
	MOE2	• Lifelines Infrastructure Rehabilitation Program Comprehensive Waste Management and Funding Program
	MOE3	• Industrial Waste Diversion Program
		• Assistance for Municipal 4Rs
	MOE4	- Municipal Recycling Support Program
	MOE5	- Municipal Reduction/Reuse Program
	MOE6	- Municipal Recovery Program
	MOE7	• Financial Assistance Program
	MOE8	• Waste Management Improvement Program
	MOE9	• Waste Management Master Plans
	MOE10	Environmental Security Account
	MOE11	Grants for Environmental and Health Protection Research
	MOE12	Household Special Waste Collection Grants
	MOE13	Environmental Technologies Program
	MOE14	Metro Toronto Waterfront Water Quality Improvement Program (WWQIP)

TABLE 3: PROVINCIAL PROGRAMS THAT PROVIDE POTENTIAL FUNDING MECHANISMS FOR RAPs - (cont'd)

Ministry	Program Code	Title
Environment - cont'd		
	MOE15	Pesticides Research Grants
	MOE16	Pollution Control Planning (PCP) Studies
	MOE17	Rural Beaches Program
	MOE18	Urban Beaches Program
		Cleansweep • Guidelines on this program will be available from Research and Technology Branch in November • Program will be incorporated into the next update of this document
Industry, Trade and Technology	MITT1	Ontario Development Corporations Term Loans and Loan Guarantees
Municipal Affairs	MMA1	Program for Renewal, Improvement, Development and Economic Revitalization
Natural Resources	MNR1	Wetlands Management Program
	MNR2	Community Fisheries Involvement Program
	MNR3	Community Wildlife Involvement Program
	MNR4	Ontario Renewable Resources Research Grant Program
Tourism and Recreation	MTR1	Community Recreation Development Program
	Proposed	Waterfront Development Program

TABLE 4: POSSIBLE REMEDIAL MEASURES IN THE AGRICULTURAL SECTOR AND ACTIVITIES SUPPORTED

AGRICULTURAL		POSSIBLE REMEDIAL MEASURES			
		Reduced Tillage Practices	Reduced Agricultural Chemical Use	Erosion Control	Animal Waste Storage and Handling
ACTIVITIES SUPPORTED	Capital Costs	OMAF 4		OMAF 4	OMAF 4
	Operational Costs	OMAF 4		OMAF 4	OMAF 4
	Technical Advice and Assistance	OMAF 3 OMAF 4	OMAF 1 OMAF 4	OMAF 3 OMAF 4	OMAF 3 OMAF 4
	Education/ Promotion	OMAF 3 OMAF 4	OMAF 1 OMAF 2 OMAF 4 OMAF 5	OMAF 3 OMAF 4	OMAF 4 OMAF 6
	Demonstration	OMAF 3 OMAF 4 MOE 13	OMAF 4 MOE 13	OMAF 4 MOE 13	OMAF 4 MOE 13
	Research and Development	MOE 13	OMAF 1 MOE 13 MOE 15	MOE 13	MOE 13

TABLE 5: POSSIBLE REMEDIAL MEASURES IN THE HOUSEHOLD SECTOR AND ACTIVITIES SUPPORTED

HOUSEHOLD		POSSIBLE REMEDIAL MEASURES						
		Household Hazardous Waste Controls		Reduced Pesticide /Herbicide Use		Animal Waste Controls		Waste Reduction
ACTIVITIES SUPPORTED	Capital Costs	MOE 12						MOE 5
	Operational Costs	MOE 12						
	Technical Advice and Assistance							
	Education/ Promotion	MOE 12						MOE 5
	Demonstration							
	Research and Development							

TABLE 6: POSSIBLE REMEDIAL MEASURES IN THE INDUSTRIAL SECTOR AND ACTIVITIES SUPPORTED

INDUSTRIAL		POSSIBLE REMEDIAL MEASURES						
		Indirect Discharge Controls	Direct Discharge Controls	Site Runoff Controls	Site Clean-up	Groundwater Contamination Controls	Spill Prevention and Control	Waste Reduction
ACTIVITIES SUPPORTED	Capital Costs		MITT 1	MOE 10	MOE 10	MOE 10		MOE 3
	Operational Costs							MOE 3
	Technical Advice and Assistance			MOE 10	MOE 10	MOE 10		
	Education/ Promotion							MOE 4
	Demonstration	MOE 13	MOE 13	MOE 13		MOE 13	MOE 13	MOE 3 MOE 13
	Research and Development	MOE 13	MOE 13	MOE 13		MOE 13	MOE 13	MOE 3 MOE 14

TABLE 7: POSSIBLE REMEDIAL MEASURES IN THE MUNICIPAL SECTOR AND ACTIVITIES SUPPORTED

MUNICIPAL		POSSIBLE REMEDIAL MEASURES						
		Sewage Treatment Plants	General Water Pollution Control	CSO/Storm Sewer System Upgrades	Urban Runoff Controls	Landfill Controls	Waste Reduction	General Community Improvement
ACTIVITIES SUPPORTED	Capital Costs	MOE 14		MOE 14		MOE 6 MOE 7	MOE 5 MOE 4 Energy 1	MMA1
	Operational Costs		MOE 16	MOE 14		MOE 8	MOE 4	MMA1
	Technical Advice and Assistance	MOE 1	MOE 14 MOE 16	MOE 1		MOE 7 MOE 8 MOE 9	MOE 9	MMA1
	Education/ Promotion						MOE 4 MOE 5	MMA1
	Demonstration	MOE 13	MOE 13	MOE 13		MOE 6	MOE 4	
	Research and Development	MOE 1 MOE 13	MOE 13	MOE 1 MOE 13		MOE 6		

TABLE 8: POSSIBLE REMEDIAL MEASURES IN THE RECREATIONAL SECTOR AND ACTIVITIES SUPPORTED

RECREATIONAL		POSSIBLE REMEDIAL MEASURES			
		Beaches Remediation	Recreational Fishing Practices	Recreational Boating Practices	Community Recreation
ACTIVITIES SUPPORTED	Capital Costs	MOE 17 MOE 18			MTR 1
	Operational Costs				MTR 1
	Technical Advice and Assistance	MOE 17 MOE 18			
	Education/ Promotion				
	Demonstration				
	Research and Development				MTR 1

TABLE 9: POSSIBLE REMEDIAL MEASURES IN THE GENERAL ENVIRONMENTAL PROTECTION SECTOR AND ACTIVITIES SUPPORTED

GENERAL ENVIRONMENTAL PROTECTION		POSSIBLE REMEDIAL MEASURES			
		Habitat Development/ Protection	Fish Community Management	Wetlands Protection	Aquatic Bird Population Management
ACTIVITIES SUPPORTED	Capital Costs	MNR 1 MNR 2 MNR 3	MNR 2	MNR 1	MNR 1
	Operational Costs	MNR 1 MNR 2 MNR 3	MNR 2	MNR 1	MNR 1
	Technical Advice and Assistance	MNR 2	MNR 2	MNR 1	
	Education/ Promotion	MNR 3			
	Demonstration		MNR 2		
	Research and Development	MOE 11 MNR 4	MOE 11 MNR 4	MOE 11 MNR 4	MOE 11 MNR 4

MINISTRY OF AGRICULTURE AND FOOD - OMAF1

Ministry: Ministry of Agriculture and Food

Name of Program: Food Systems 2002

Contact Person: Dr. Frank I. Ingratta
Director - Plant Industry Branch
(519) 767-3172

Participants:

Lead
Ministry of Agriculture and Food

Others
None

Related Programs
Integrated Pest Management and Ontario Pesticide Education Program (OPEP) are expanded under Food systems 2002.

Goals/Objectives: Assist growers to reduce their use of pesticides by 50% over a 15 year period.

Timeframe: 1988 - 2002

Geographic Area Covered: Province-wide

Activities Supported:

- Research: internal and solicited
- Technical Advice and Assistance: training and support of pest management specialists to assist farmers
- Education: through IPM and OPEP
  - farmer education/certification programs
  - field delivery and development

Funding Method: Research Grants

Resources: Budget for the first 5 years $10,000,000
- Education $1,000,000/5 years
- Solicited Research $800,000/year

Eligibility Criteria:
- Anyone is eligible to submit proposals for solicited research grants.
- Technical advice and assistance is available to farmers.

Priority/Selection Criteria: Not Available

Comments: This program involves three 5-year terms. The second and third terms will provide funding for the implementation of projects that result from research as well as other projects.

MINISTRY OF AGRICULTURE AND FOOD - OMAF2

Ministry: Ministry of Agriculture and Food

Name of Program: Integrated Pest Management (IPM) Program

Contact Person:
Wayne Roberts
Program Manager - Pest Management
Plant Industry Branch
(519) 767-3176

Participants:

Lead
Ministry of Agriculture and Food

Others
None

Related Programs
This program receives some funding through the Food Systems 2002 program.

Goals/Objectives: Combination of the use of specific pesticides and effective biological and cultural methods.

Timeframe: Annually funded

Geographic Area Covered: Province-wide

Activities Supported: Technical Advice and Assistance: Provides for the support of pest management advisers who monitor and compile information to assist growers and vendors; advisers also provide assistance on an individual basis; support is also provided for supplies to advisers.

Funding Method: Support for Ministry-employed pest advisors

Resources: Funding: 1988-89 $540,800
1989-90 $543,000

Eligibility Criteria:

- Any member of the public has access to information provided through this program, or to request advice on an individual basis.
- This program is restricted to the following crops: apples, peaches, pears, grapes onions, and carrots.

Priority/Selection Criteria: Not Available

Comments: Not Available

MINISTRY OF AGRICULTURE AND FOOD - OMAF3

Ministry: Ministry of Agriculture and Food

Name of Program: Joint Agricultural Soil and Water Conservation Program

Contact Person:
Howard Lang
Assistant Manager - Land Stewardship Program
Soil and Water Management Branch
(519) 767-3555

Participants:

Lead
Ministry of Agriculture and Food

Others
This is a joint program with the regional Conservation Authorities.

Related Programs
This program is funded by the OSCEPAP II program.

Goals/Objectives:

- To provide a local forum for communication between parties for the coordination and delivery of research, education, extension and monitoring programs which are related to soil and water management within the watershed.

- Reduce soil erosion, improve soil and crop management practices, conserve soil, improve water quality, and increase use of conservation tillage, crop rotation and field management practices.

Timeframe: March 31, 1990 (completion date)

Geographic Area Covered: The following Conservation Authorities are involved in this program:

1. Ausable-Bayfield
2. Essex
3. Grand
4. Kettle
5. Maitland
6. Upper Thames
7. Catfish
8. Long Point
9. Lower Thames
10. Nottawasaga
11. Lake Simcoe
12. St. Clair

Activities Supported:

- Education
- Demonstration
- Technical Advice and Assistance:
  - Information dissemination and farmer education
  - Targeting effort to improve water quality and agricultural profitability
  - Demonstrations of improving land management practices or conservation measures
  - Integration of the monitoring of impacts on soil and on water quality
  - Technical assistance to farmers on soil and crop management to conserve soil and improve water quality
  - Integration of federal and provincial research efforts with extension
  - Financial assistance to farmers for soil erosion control devices and manure storages under OMAF's Ontario Soil Conservation and Protection Assistance Program grants as well as technical assistance where applicable
  - Any other mutually agreed action which is appropriate

Funding Method:

- Provision of staff, office space and financial support for eight jointly funded positions with the Conservation Authorities.
- 25% of the funding is provided by each of the Ministry of Agriculture and Food and the Ministry of Natural Resources.
- 50% of the funding is provided by local Conservation Authorities.

Resources:

Funding:	1988-89	$270,000
	1989-90	$270,000

Eligibility Criteria:

12 Conservation Authorities are eligible for support.

Priority/Selection Criteria:

- The water quality and agricultural profitability of an area is examihed.
- High priority is placed on alternative conservation tillage and cropping practices.

Comments:

Present indications are that this program will not be extended past its termination date. However, proposals for new programs will be discussed in September, 1989. Due to the response that this program has received, many of its aspects may be incorporated into a new program.

MINISTRY OF AGRICULTURE AND FOOD - OMAF 4

Ministry: Ministry of Agriculture and Food

Name of Program: Land Stewardship II

Contact Person:
Galen A. Driver
Manager - Soil Mgmt. Programs
Soil and Water Management Branch
(519) 767-3554

Participants:

Lead
Ministry of Agriculture and Food

Others
The Ontario Soil and Crop Improvement Association has been approached to assist in the local delivery of the program. This could involve educational programs, peer review and recommendation of conservation farm plans, and inspection of the implementation of approved plans.

Goals/Objectives:

- Promotion of soil conservation farming techniques
- Promotion of integrated resolutions for on-farm soil and water resource problems
- Sustainable soil and water resources
- Raise level of awareness of conservation issues in the farm community
- Education of farm conservation practices, through on farm demonstrations. The program will also develop field level information which farmers need to make conservation planning decisions.
- Provide direct assistance to approximately 5,000 farmers

Timeframe: September 1, 1990 - 1994

Geographic Area Covered: Province-wide

Activities Supported:

- Farm conservation practices and plans
- Implementation of approved farm conservation practices and plans
- Promotion, education and demonstration, and adoption of conservation technology
- Evaluation of conservation technology and practices
- Eligible practices include:
  residue management, cover crop planting, erosion, sediment and water control structures, manure storage and transfer facilities, pesticide storage and handling facilities, milkhouse waste treatment facilities, tree windbreaks, fencing watercourses, and providing alternate livestock and watering facilities

Funding Method:

- Assistance of up to a maximum of 50% of the reasonable cost of implementing the approved soil conservation plan, or a component of the plan, is available, to a maximum of $10,000 per applicant. This maximum is reduced by an amount that reflects the grant the applicant received under the Land Stewardship Program and the Ontario Soil Conservation and Environmental Protection Assistance Program II.

Grants

- To farm organizations to provide local delivery of the farm conservation program.

Funding Method: (cont'd) Cost Sharing

- To enhance adoption of technology, cost sharing will be provided to farm organizations in cooperation with industry and universities for evaluation of conservation technology and practices in areas such as tillage, cropping, nutient mangement and pest mangement.

Resources:

- Total budget over four years is $38 million. $10 million was used to fund the past Land Stewardship Program. Starting in April of 1991, $38 million will fund Land Stewardship II, over the course of three years.

- Component costs of the Land Stewardship program:

Farm conservation Planning	$ 1.2M
Extension and Technology Transfer	$ 2.8M
Financial Initiatives	$29.5M
Industry Self Direction	$ 3.3M
Administration	$ 1.2M

Eligibility Criteria:

- Landowners must complete a conservation farm plan consisting of an inventory of the soil and water resources on the farm and an action plan or list of options for addressing specified problems relating to the management and conservation of these resources. The plan must be approved by a local farm organization.

Priority/Selection Criteria: None, other than first-come-first-serve.

Comments:

- Farmers may submit their soil conservation plans throughout the winter. Funding of projects will begin in April of 1991.

- Further information will be forthcoming and incorporated in the next update of this document.

MINISTRY OF AGRICULTURE AND FOOD - OMAFS

Ministry: Ministry of Agriculture and Food

Name of Program: Ontario Pesticide Education Program (OPEP)

Contact Person: Local Agricultural Office

For more specific information please contact:
Lisa Harwood
Co-ordinator - OPEP
Guelph Agricultural Centre
(519) 767-3591

Participants:

Lead
Ministry of Agriculture and Food

Others
The Steering Committee for this program includes:
1) Agricultural Groups Concerned about resources and the environment (AGCARE).
2) Crop Protection Institute of Canada (CPIC) - Ontario Provincial Chapter.
3) Member from an Environmental interest group.
4) Employees from the Ministry of the Environment.

Related Programs
OPEP receives some funding through the Food Systems 2002 program.

Goals/Objectives: Provide a program of study on the safe handling and application of pesticides for both vendors and growers.

Timeframe: Annually funded

Geographic Area Covered: Province-wide

Activities Supported: Education: support for implementation and administration of pesticide education courses

Funding Method:

- Grants for development of programs.
- As fees are collected from those taking the courses, delivery of the program is self-supported.
- Food Systems 2002

Resources: Approximate Cost of Delivery:

1988-89	$360,000
1989-90	$395,000

Eligibility Criteria: This course is open to anyone.

Priority/Selection Criteria: Not Available

Comments: Participation Results:

Year	Vendors	Growers
1988	220	1,500
1988-89	310	10,000
1989-90	200	10,000

MINISTRY OF ENERGY - ENERGY1

Ministry: Ministry of Energy

Name of Program: Energy From Waste (EFW) Capital Assistance Program

Contact Person: Ziyaad Mia
Program Officer - Non-Utility Generation Unit
Programs and Technology Division
(416) 965-5303

Participants:

Lead
Ministry of Energy

Others
None

Goals/Objectives: Promotion of the use of nonhazardous wastes as an energy resource. Ensure that energy-from-waste technologies are available as a waste management option.

Timeframe: 1987 - 1992

Geographic Area Covered: Province-wide

Activities Supported: Capital Costs: assistance with the costs of constructing facilities that use nonhazardous wastes to produce energy - in the form of electricity, steam and/or hot water.

Funding Method:

Grants

- Up to 15% of eligible capital costs for publicly owned projects.

Funding Method: (cont'd)

- Maximum assistance is $6 million per project.
- Privately owned projects are eligible for grants or loans consistent with the conditions above, but the project rate of return is subject to a limitation.

Resources:

- $25 million over 5 years
- Preliminary estimate for approved projects is $12.2 million.

Eligibility Criteria:

- Any municipal, commercial or industrial project which recovers energy from nonhazardous waste may be eligible for assistance.
- Eligible wastes include municipal garbage, landfill gas, sludge wood residues, industrial/commercial solid wastes and rubber tires. Toxic wastes are not eligible under this program.
- The energy conversion technology used must be proven, and must utilize suitable environmental control technology, as defined by the Ontario Ministry of the Environment.
- Facilities which combine material recovery with energy recovery are encouraged.
- Long-term commitments for waste supply and energy sales must be assured for each project.
- The tipping fee for municipal waste must be at least $30 per tonne. It was raised to $50.00 per tonne in 1990.
- Government assistance in each project will not exceed the proponent's equity contribution.
- Preference will be given to Canadian suppliers when all other factors are equal.

Project Review:

- Final Report
- Technology Transfer
- Cost Reporting

Priority/Selection Criteria: Not Available

Comments: Not Available

MINISTRY OF THE ENVIRONMENT - MOE1

Ministry: Ministry of the Environment: Urban Municipal
Rural Municipal

Name of Program: Capital and Direct Grants Program for Municipal Water and Sewage Infrastructure Development

Contact Person: Ross Sandars
Manager (Acting) - Budget Control Section
Project Engineering Branch
(416) 440-3757

Participants:

Lead
Ministry of the Environment

Others
None

Goals/Objectives: To assist in the construction of water and sewage works facilities.

Timeframe: Annually funded

Geographic Area Covered: Province-wide

Activities Supported:

- Capital Costs: construction of water and sewage works facilities
  Internal divisions of activities funded are as follows:
  - Direct Grants
  - Lifelines Study
  - Lifelines Construction
  - Beaches Improvements

Activities Supported: (cont'd)

- Private Systems Upgrading
- Salt Contamination
- Water Tank Rehabilitation
- WTP Optimization
- Provinicial Water Projects
- Provincial Sewage Projects
- Regional Priorities (RPB)
- SPL Municipal Improvements

- Research and Development: water distribution and sewage collection systems
- Technical Advice and Assistance
- Capital Costs: construction costs of communal water and sanitary sewage work; repair or upgrading of private wells and sewage disposal systems where repair is an acceptable alternative to cohstruction of communal works; rural water pipeline extensions
- Other Costs: administration and legal costs

Funding Method:

Grants

- Proportional grants and disbursements.
- Grants on net costs, determined after deducting all federal or provincial government grants.
- Communal Works:

  1) Population > 7500

  - For major works designed to accommodate new development a grant assistance of 15 percent is available.
  - For projects designed to resolve health or environmental problems grants will be based on 33 percent of the cost which can be attributed to meeting current requirements and 15 percent of the project cost which relates to the servicing of new urban development.

Funding Method: (cont'd)

2) Population < 7500
   - Where the municipality or community lies within a regional municipality, grant assistance is limited to 70 percent of the grant normally provided in accordance with the formula.
   - 33-85% calculated on the basis of population and range
     [grant = $93.00 - (P% 0.008)]

- Private Facilities: > 7500: Up to 33%
  < 7500: 33-85%
- Rural Water Pipelines, construction formula, not less than 33%
- Water Distribution, Rehabilitation, and Pollution Control Planning Studies, needs studies formula, not less than 50%.

Resources:

- Funding 1989 - 1990
- Regular Grants to Municipalities (W & S works) - $90 million
- Provincial Water and Sewage Projects (Disbursements) - $64.5 million
- Beaches Remediation - $30 million
- Infrastructure Rehabilitation - $12 million

Eligibility Criteria:

- All Ontario municipalities are eligible to apply.
- For local water distribution and sewage collection works, grants are subject to enactment and enforcement of Section 19 of the Municipal Act, requiring all property owners to connect to the system.
- For upgrading and repair the servicing of seasonal residences are not eligible.

Eligibility Criteria: (cont'd)

- Rural water pipelines are subject to the approval of the Ministry of Agriculture and Food and the Ministry of Municipal Affairs.
- Community:
  An area to be serviced may be defined as a "community" for grant purposes if it meets the following criteria:
  1) The residential density of the area in question is not less than 2.5 residences per gross hectare or in the case of strip development there are 35 residences per kilometre; and,
  2) The area in question is spatially separated from the nearest "serviced community" by not less than 2 kilometres.

Priority/Selection Criteria: Applied - projects are given individual 'project priority' evaluations.

Comments: The Water Resources Branch administers the PCP studies aspect of this program while the capital support is administered by the Project Engineering Branch.

MINISTRY OF THE ENVIRONMENT - MOE2

Ministry: Ministry of the Environment

Name of Program: Lifelines: Infrastructure Rehabilitation Program (municipal water improvement program)

Contact Person: Jason Fani
Lifelines Coordinator (Acting) - Project Services and Contracts Section
Project Engineering Branch
(416) 440-6961

Participants:

Lead
Ministry of the Environment

Others
None

Goals/Objectives: To improve and protect quality of ground and surface waters and to maintain quality of drinking water in distribution systems.

Timeframe: Annually funded, grants paid in advance.

Geographic Area Covered: Province-wide

Activities Supported:

1) Studies (includes following types):
   a) Pollution Control Planning Study includes: Inland lake studies, beach clean up studies, beach water pollution source survey and overflow control/stormwater treatment.
   b) Sewage Collection System Needs Study.

Activities Supported: (cont'd)

c) Water Distribution System Needs Study.
Objectives:
To identify deficiencies within the system and propose cost effective solutions to bring the system back to its original efficiency.

2) Rehabilitation:
a) Sanitary Sewer collection system.
b) Water Distribution System Rehabilitation Program.
Objective:
To correct the deficiencies identified in the Needs Study.

Funding Method: Grants
Not less than 50% and not more than 85% of study costs and 1/3 of rehabilitation costs.

Resources:

Approximate Expenditures:	1987-88	$2,400,000
	1988-89	$7,700,000
Funding:	1989-90	$8,500,000

Eligibility Criteria: All Ontario municipalities that have an existing water and sanitary works system are eligible to apply.

Priority/Selection Criteria: Some of the factors considered to prioritize the projects are as follows:
1) Physical Condition
2) Age
3) Benefit of the proposed work in reducing health risks and impact on environment

Priority/Selection: (cont'd)

Criteria:

4) Cost-effectiveness

5) Flow reduction

Comments: Not Available

MINISTRY OF THE ENVIRONMENT - MOE3

Ministry: Ministry of the Environment

Name of Program: Industrial Waste Diversion Program

Contact Person: Ulo Sibul
Supervisor (Acting) - Industrial Program Unit
Waste Management Branch
(416) 323-5182

Participants:

Lead
Ministry of the Environment

Others
None

Goals/Objectives: To provide assistance to private companies undertaking industrial waste reduction, reuse, and recycling (3Rs) initiatives.

Timeframe: Annually funded

Geographic Area Covered: Province-wide

Activities Supported:

- Capital Costs: Waste diversion projects
- Operational costs: Start-up/commissioning costs
- Research and Development
- Demonstration/Evaluation
- Eligible Projects: generic feasibility studies; reduction, reuse, and recycling of wastes; process or equipment modification or evaluation; demonstration of technology; upgrading existing operations beyond current state-of-the-art for a particular industry; research

Funding Method:

Grants

- Capital Costs - up to 50%
- Operational Costs - up to 50% for a defined time limit
- Research and Development and Demonstration/Evaluation - up to 100%

Resources:

Funding:

1988-89	$2,550,000
1989-90	$6,500,000
1990-91	$8,200,000

Eligibility Criteria:

- Ontario's industrial and commercial sectors
- Municipalities and private companies that are applying for assistance for a project that is being contracted out by a municipality are ineligible.

Priority/Selection Criteria:

Not Available

Comments:

Not Available

MINISTRY OF THE ENVIRONMENT - MOE4

Ministry: Ministry of The Environment

Name of Program: Municipal Recycling Support Program (MRSP)

Contact Person: Joe Petoia
Supervisor - Municipal Waste Reduction Unit
Waste Management Branch
(416) 323-5210

Participants:

Lead
Ministry of the Environment

Others
None

Goals/Objectives: To assist municipalities with the planning, implementation and operation of recycling projects in their communities.

Timeframe: Annually funded

Geographic Area Covered: Province-wide

Activities Supported:

- Feasibility studies: consulting fees and other expenses
- Operational costs: wages, routine repair and maintenance, materials, services
- Capital costs: construction on new and existing buildings; recycling equipment
- Household bins (blue boxes)
- Promotion and Advertising: design and implementation of a promotion strategy
- Demonstration: pilot projects
- Education

Funding Method:

- Grant support for 5 years
- Feasibility studies: up to 50%
- Operational costs: proportion of net operating cost on a declining percentage of gross operation expenses (year 1, 2, 3, 4, 5 → 50%, 40%, 30%, 20%, 10%)
- Capital costs: case by case
- Household bins: one per household with a maximum replacement of 2% per year
- Promotion and advertising: up to 50% to a maximum of $0.10 per capita per year
- Demonstration: up to 100%
- Education: up to $15,000, case by case

Resources:

Expenditures:	1986-87	$3,310,284
	1987-88	$5,000,000
Funding:	1988-89	$7,700,000

(Note: there will also be revenues received for materials that are recovered and sold)

Eligibility Criteria:

- All Ontario Municipalities are eligible
- For education: private companies, educational institutions and individuals
- For operational and capital grants: non-profit recyclers
- Proposals must include the recycling of old newspapers plus 2 other materials.
- Proposals must demonstrate that significant market commitments have been obtained for the recovered materials.
- Multi-material source separation projects which are municipally endorsed and which demonstrate future financial viability are eligible.

Priority/Selection Criteria:

- Share of costs applicant is prepared to contribute and whether any contribution has been provided from other sources.
- Consideration of cost effectiveness.

Comments: Not Available

MINISTRY OF THE ENVIRONMENT - MOE5

Ministry: Ministry of The Environment

Name of Program: Municipal Reduction/Reuse Program

Contact Person: Joe Petoia
Supervisor - Municipal Waste Reduction Unit
Waste Management Branch
(416) 323-5210

Participants:

Lead
Ministry of the Environment

Others
None

Goals/Objectives: To assist municipalities, the private sector or others in implementing projects aimed at altering consumer-generation, treatment and disposal practices.

Timeframe: Annually funded

Geographic Area Covered: Province-wide

Activities Supported:

- Education: development and implementation of information strategies
- Capital Costs: equipment used to reduce waste requiring treatment or disposal (example: home composting)
- Promotion

Funding Method:

Grants

- Up to 50% of promotion and capital costs
- Education - development of creative materials or approaches which may be funded up to a limit of $25,000 per project

Resources:

Expenditures:	1986-87	Nil
	1987-88	$10,000
Funding:	1988-89	$330,000

Eligibility Criteria:

- Municipalities, the private sector and individuals
- Capital projects must be submitted through municipalities.
- Projects aimed at altering consumer behaviour to reduce waste generation.

Priority/Selection Criteria:

- Scope and effectiveness of project and potential for wider use
- Cost - benefit analysis

Comments: Not Available

MINISTRY OF THE ENVIRONMENT - MOE6

Ministry: Ministry of The Environment

Name of Program: Municipal Recovery Program

Contact Person: Rick Warner
Supervisor - Municipal Waste Disposal
and Market Services
Waste Management Branch
(416) 323-5196

Participants:

Lead
Ministry of the Environment

Others
None

Goals/Objectives: Encourage municipalities to recover materials from waste disposed in landfill sites.

Timeframe: Annually funded

Geographic Area Covered: Province-wide

Activities Supported:

- Feasibility Studies
- Capital Costs: support for construction of projects recommended in the feasibility study
- Research and Development/Demonstration: support for new technologies and approaches to the recovery of materials

Funding Method:

Grants

- Up to 1/3 of the in-service capital costs of facilities
- Up to 100% of Research and Development/ Demonstration costs for a defined time period

Resources:

Expenditures:	1986-87	Nil
	1987-88	$50,000
Funding:	1988-89	$500,000

Eligibility Criteria:

- All municipalities of Ontario are eligible to submit proposals.
- Private proposals may be submitted through the municipalities.
- Projects for facilities to recover or process paper, refuse-derived fuel, compost or other materials from mixed solids.

Priority/Selection Criteria:

- Compatibility with Waste Management Master Plans
- Scope, effectiveness of project and potential for wider use
- Cost-benefit analysis
- Consideration of market conditions for the recovered materials

Comments:

Not Available

MINISTRY OF THE ENVIRONMENT - MOE7

Ministry: Ministry of the Environment

Name of Program: Financial Assistance Program (FAP)

Contact Person:
Rick Warner
Supervisor - Municipal Waste Disposal
and Market Services
Waste Management Branch
(416) 323-5196

Participants:

Lead
Ministry of the Environment

Others
None

Related Programs
This program implements projects recommended in the Waste Management Master Plans (WMMP).

Goals/Objectives: To financially assist municipalities in implementing new or expanding existing waste management facilities - landfill sites, transfer stations, processing facilities.

Timeframe: 1987-1997 (Annually funded)

Geographic Area Covered: Province-wide

Activities Supported:

- Technical Advice and Assistance: engineering design and consulting; technical/hydrogeologic studies; permits, public consultations
- Capital Costs: land; equipment; construction of expanded/extended facilities

Funding Method:

Grants

Projects of up to 5 years in duration will be considered. Pending adequate budgets, funding will be approved on a yearly basis according to the following table:

Group	Funding Level	Budget Allocation
1. Isolated Mun. < 7500	75%	10%
2. Isolated Mun. > 7500	60%	10%
3. Groups, Counties, Reg. Mun.	60%	60%
4. Individual Mun.	50%	20%

Resources:

Expenditures:	1986-87	Nil
	1987-88	1,964,414
Funding:	1988-89	7,750,000
	1989-90	9,546,000

Eligibility Criteria:

- All Ontario municipalities are eligible to apply.
- Private waste management projects may be requested by a municipality if the municipality demonstrates that it does not have the resources to establish and operate a waste management facility.

Priority/Selection Criteria:

- A priority system based on comprehensive planning, health and environmental factors is used.

Comments:

This program is essentially the implementation component of the Treatment/Disposal aspect of the Comprehensive Funding Program. The Waste Management Master Plans (WMMP), the Waste Management Improvement Program (WMIP) and the Household Hazardous Waste Collection Program (HHW) are the other components of Treatment/Disposal.

MINISTRY OF THE ENVIRONMENT - MOE8

Ministry: Ministry of the Environment

Name of Program: Waste Management Improvement Program (WMIP)

Contact Person:
Rick Warner
Supervisor - Municipal Waste Disposal
and Market Services
Waste Management Branch
(416) 323-5196

Participants:

Lead
Ministry of the Environment

Others
None

Goals/Objectives: Financially assist municipalities to upgrade landfill sites to current standards, close sites and investigative studies/remedial measures required for environmental protection.

Timeframe: Annually funded

Geographic Area Covered: Province-wide

Activities Supported:

- Technical Advice and Assistance: Studies, example: hydrogeological, site operation and development, closure plan
- Operational Costs: materials, labour for site upgrading, closure

Funding Method: Grants

Group	Population Range	Budget Allocation	Grant % of total costs
I	< 1500 population	15%	75%
II	≥ 1500 but < 7500	30%	60%
III	> 7500 population	30%	50%
IV	>25000 population	25%	50%

Resources:

Expenditures:	1986-87	$1,468,013
	1987-88	$1,032,842
Funding:	1988-89	$3,150,000
	1989-90	$3,150,000

Eligibility Criteria: All Ontario municipalities are eligible to apply provided that they have an existing site with a Certificate of Approval.

Priority/Selection Criteria: A priority system based on health and environmental factors.

Comments: This program is part of the Treatment/Disposal component of the Comprehensive Funding Program.

MINISTRY OF THE ENVIRONMENT - MOE9

Ministry: Ministry of the Environment

Name of Program: Waste Management Master Plans (WMMP)

Contact Person: Hans Mooij
Supervisor - Municipal Waste Planning
Waste Management Branch
(416) 323-5160

Participants:

Lead
Ministry of the Environment

Others
None

Goals/Objectives: Assist municipalities in the development of comprehensive long-term waste management plans which incorporates many components; such as, source separation of waste, energy from waste, recycling and resource recovery, and minimizing the use of landfills.

Timeframe: Annually funded

Geographic Area Covered: Province-wide

Activities Supported:

- Technical Advice and Assistance: planning studies - data collection, option identification and development of the preferred option

Funding Method: Full Grants

Resources:

Expenditures:	1986-87	$ 642,601
	1987-88	$2,398,701
Funding:	1988-89	$1,750.000
	1989-90	$1,750,000

Eligibility Criteria:

- Any Ontario group of municipalities, counties or regional municipalities undertaking a waste management master plan is eligible.
- The plan must be submitted for approval under the Environmental Assessment Act (EAA).

Priority/Selection Criteria: Not Available

Comments: This program is part of the treatment/disposal component of the Comprehensive Funding Program.

MINISTRY OF THE ENVIRONMENT - MOE10

Ministry: Ministry of the Environment

Name of Program: Environmental Security Account

Contact Person: George Mierzynski
Director - Project Engineering Branch
(416) 440-3760

Participants:

Lead
Ministry of the Environment

Others
May be a municipality

Goals/Objectives: To fund projects directed to the resolution of urgent health or environmental problems.

Timeframe: Annually funded

Geographic Area Covered: Province-wide

Activities Supported:

1) The Environmental Security account may be used in emergency situations and in cases of environmental problems to fund a clean-up or restore the natural environment, protect human health and safety and private alternative water supplies where an existing supply is at risk from contamination.

2) Projects must meet one or more of the following requirements to be eligible:
   a) Hydrogeological studies of areas where serious contamination is known or expected;

Activities Supported: (cont'd)

b) Provision of alternative water supplies where existing supplies are affected or threatened by a source of contamination;
c) Cleanup of environmentally damaged areas or where health risks are identified.
d) Actions to remove or reduce potential long-term environmental hazards;

Funding Method:

Up to 100% funding

- Expenditures are recovered from the polluting party whenever possible.

Resources:

Expenditures:	1986-87	$17,094,067
	1987-88	$27,927,000
	1988-89	$12,762,753
	1989-90	$17,402,104

Eligibility Criteria:

Cleanup sites are recommended by the Ministry of the Environment regional offices, presumably, anyone would be eligible to propose cleanup sites to these offices.

Priority/Selection Criteria:

Priority is based on risk to human health, the environment or actual environmental damage.

Projects are not ranked according to relative priority.

Selection criteria are those given as eligibility requirements under "Activities Supported".

Comments:

This program is primarily aimed at the cleanup of spills or similar emergency situations.

MINISTRY OF THE ENVIRONMENT - MOE11

Ministry: Ministry of the Environment

Name of Program: Grants for Environmental and Health Protection Research

Contact Person: Jane E. Pagel
Director - Research and Technology Branch
(416) 323-4574

Participants:

Lead
Ministry of the Environment

Others
None

Goals/Objectives: To facilitate, through well-defined research projects, the solution of significant or urgent environmental problems and the amelioration of associated adverse human health effects.

Timeframe: Annually funded

Geographic Area Covered: Province-wide

Activities Supported: Research and Development

Funding Method: Grants

100% of projected costs including salary, travel, supplies, equipment and services.

Resources:

Expenditures:	1986-87	$3,519,562
	1987-88	$2,714,800
Funding:	1988-89	$2,500,000
	1989-90	$5,000,000

Eligibility Criteria: Anyone is eligible to submit proposals for projects having a duration of 1 to 3 years.

Priority/Selection Criteria: Selections are based on a comprehensive technical evaluation of the research proposal, and on final recommendation by the Research Advisory Committee.

Comments: Not Available

MINISTRY OF THE ENVIRONMENT - MOE12

Ministry: Ministry of the Environment

Name of Program: Household Special Waste Collection Grants

Contact Person:
Dennis Donohue
Municipal Waste Officer - Municipal Waste
Disposal and Market Services Unit
Waste Management Branch
(416) 323-5202

Participants:

Lead
Ministry of the Environment

Others
None

Goals/Objectives: To divert hazardous waste generated by households from disposal in sanitary sewers and landfills, and to reduce the amount generated by households by increasing public awareness.

Timeframe: Annually funded

Geographic Area Covered: Province-wide

Activities Supported:

- The set-up and promotion of special waste days.
- Operational Costs: disbursements to a commercial waste management company; collection site rental; insurance; utilities; wages and benefits for municipal staff (if involved)
- Capital Costs: equipment expenditures or rental
- Promotion

Funding Method:

Grants

- 50% of approved net costs up to a maximum of $5000

+ $10,000 [Total volume of paint and oil recycled / Total volume of paint and oil collected]

for a potential maximum grant of $15,000.

- Revenues from service charges, sale to recycling firms, or other grants are subtracted from approved net costs.

Resources:

Expenditures:	1986-87	$ 77,903
	1987-88	$171,286
	1988-89	$250,000
Funding:	1988-89	$250,000
	1989-90	$250,000

Eligibility Criteria:

- This program is open to all municipalities in the province of Ontario.
- Within larger municipalities, each geographical location that serves distinctly different areas is eligible for funding.
- For each individual municipality or area, grants are available on an annual basis.

Priority/Selection Criteria:

Prioritized on basis of health and environmental concerns.

Priority usually given to municipalities conducting a collection project for the first time.

Comments:

Not Available

MINISTRY OF THE ENVIRONMENT - MOE13

Ministry: Ministry of the Environment

Name of Program: Environmental Technologies Program

Contact Person: Tammy Lomas
Environmental Technologies Analyst - Research and Technologies Branch
(416) 323-4327

Participants:

Lead
Ministry of the Environment

Others
Environmental Technologies Advisory Committee

Members
Ministry of the Environment
Ministry of Industry, Trade and Technology
Innovation Ontario Corporation
Ministry of Treasury and Economics
Ministry of Energy
Round Table on the Environment and the Economy
National Research Council (Industrial Research Assistance Program)
Environment Canada

Government Reviewers
Ministry of the Environment
Ministry of Industry, Trade and Technology
Innovation Ontario Corporation
Ministry of Energy
other government agencies as required.

Goals/Objectives: To encourage the development of new technologies that meet environmental and economic objectives in a mutually supportive fashion.

Timeframe: Annually

Geographic Area Covered: Province-wide

Activities Supported:

- Research, development, field trials and demonstration of innovative new technologies
- Supply and installation of equipment
- Chemical analyses and performance monitoring
- Technology transfer costs in support of the project, including publication
- Project audit costs, as requested by the MOE
- Other reasonable costs

Funding Method:

Grants

- Project costs are shared with the applicant
- Government contributions to a maximum of 50% of the total project cost, except in special circumstances; example, two government agencies involved in funding a project in which case each could fund up to 1/3 of the cost.
- A maximum of $500,000 per year, for a total contribution of $1.5 million.
- Projects should not exceed three years.

Resources: Funding: $30 million over the next five years

Eligibility Criteria:

- Research and experimental development leading to the commercialization of products or processes
- Equipment-prototype development and testing
- Pilot-scale equipment refinement and adaptation

Eligibility Criteria: (cont'd)

- Full-scale field trials and technical demonstrations of innovative technologies
- Initial demonstrations of existing technologies used outside Canada to determine their suitability in Ontario
- Projects demonstrating and applying the principles of sustainable development

Priority/Selection Criteria:

- Projects designed to lead to commercialization are preferred over projects that are strictly applied research.
- Technologies that prevent or reduce pollution at the source
- Technologies that assist municipalities and the private sector in meeting MISA, the Clean Air Program, and the Ontario Waste Management Abatement Strategy regulatory and policy requirements

Comments: Not Available

MINISTRY OF THE ENVIRONMENT - MOE14

Ministry: Ministry of the Environment - Urban Municipal

Name of Program: Metro Toronto Waterfront Water Quality Improvement Program (WWQIP)

Contact Person:
Dale Henry
Head (Acting) - Stormwater and Combined Overflow Unit
Water Resources Branch
(416) 323-4975

Participants:

Lead
Ministry of the Environment

Others
Metro and the six area municipalities.

Goals/Objectives: To address the pollution remedy needs of Metro Toronto.

Timeframe: Annually funded

Geographic Area Covered: Metro Toronto

Activities Supported:

- Technical Advice and Assistance: pollution control planning studies, monitoring and investigation
- Capital Costs: construction of remedial works, combined sewer overflow, storm sewer relief works, physical work on watercourses; the waterfront and sewer systems, including sewer separation.

Activities Supported: (cont'd)

- Operational Costs: tracing and disconnection of sewage cross connections (residential and industrial)

Funding Method: Grants

Resources:

Expenditures:	1986-87	$5,094,000
	1987-88	$3,585,000
Funding:	1988-89	$4,683,000
	1989-90	$2,812,000

Eligibility Criteria: The municipalities of Metro Toronto are eligible for funding under this program.

Priority/Selection Criteria: Not Available

Comments: Not Available

MINISTRY OF THE ENVIRONMENT - MOE15

Ministry: Ministry of the Environment

Name of Program: Pesticides Research Projects

Contact Person: Donna L. Mackenzie
Scientific and Technical Advisor - Pesticides Advisory Committee
(416) 323-4552

Participants:

Lead
Ministry of the Environment

Others
None

Goals/Objectives: The support of research on pesticides including:

1) ways of reducing pesticide input into the environment
2) minimizing risks from pesticides to the environment and human health
3) enhancing the effectiveness of pest management and practices.

Timeframe: Annually funded

Geographic Area Covered: Province-wide normally: research must reflect Ontario conditions, if conducted elsewhere.

Activities Supported: Research pertaining to some aspect of pesticides.

Funding Method:

Grants

A grant award (cheque) is paid to the research institute (to which the individual is affiliated) in advance of the initiation of the research, on 100% of the payment recommended by OPAC. Overhead is not paid according to current OPAC grant policy.

Resources:

			Grants Awarded
Expenditures:	1986-87	$387,317	33
	1987-88	$399,850	31
	1988-89	$400,000	29
	1989-90	$400,000	29
Funding:	1990-91	$400,000	20 to date

Eligibility Criteria:

Anyone is eligible to submit proposals relating to the Ministry's research needs and this program's objectives.

Priority/Selection Criteria:

Must meet annual funding goals; conditions of grant award must be met.

Criteria used in judging applicants:

1) applicability to research objectives
2) scientific quality of the research proposal
3) qualifications of the applicant(s)

Comments:

A call for submission of research proposals is made in January with selection occurring February to March. Awards normally available at the start of the Ministries fiscal year (April-May). Later submissions maybe considered on the basis of funds remaining.

Proposals should be made on formal applications form.

Research may continue longer than one year but continuation are only supported if the report on previous years research is acceptable.

MINISTRY OF THE ENVIRONMENT - MOE16

Ministry: Ministry of the Environment

Name of Program: Pollution Control Planning (PCP) Studies

Contact Person: Dale Henry
Head (Acting) - Stormwater and Combined Overflow Unit
Water Resources Branch
(416) 323-4975

Participants:

Lead
Ministry of the Environment

Others
A technical committee will be formed, composed of representatives from the lead Ministry and the involved municipality.

Goals/Objectives: To develop a pollution control plan which will:
1) outline the nature, cause and extent of pollution problems,
2) propose alternative remedial measures; and,
3) recommend an implementation program.

Timeframe: Annually funded

Geographic Area Covered: Province-wide

Activities Supported: Technical Advice and Assistance: engineering studies

Funding Method:

Grants
- Feasibility studies - 100%

Funding Method: (cont'd)

- The level of grant is based on municipal population with a minimum grant of 50% to a maximum of 85%

Resources:

Expenditures:		
	1986-87	$657,200
	1987-88	$825,600
	1988-89	$700,800

Eligibility Criteria: All Ontario municipalities are eligible for this program.

Priority/Selection Criteria: Prioritized on the basis of health and environmental concerns.

Comments: Not Available

MINISTRY OF THE ENVIRONMENT - MOE17

Ministry: Ministry of the Environment

Name of Program: Rural Beaches Program

Contact Person: Keith Willson
Agricultural Program Specialist - Watershed Management Section
Water Resources Branch
(416) 323-4820

Participants:

Lead
Ministry of the Environment

Others
The Ministry of Agriculture and Food and the Conservation Authorities are cooperating with the lead Ministry.

Goals/Objectives: The main objective is to improve rural water quality and minimize or eliminate rural beach placarding.

Timeframe: 1985-1995 (Annually funded)

Geographic Area Covered: 12 Conservation Authorities:

1. Ausable-Bayfield
2. Grand-River
3. Grey-Sauble
4. Lake Simcoe Region
5. Maitland Valley
6. Metro Toronto
7. Niagara Peninsula
8. Otonabee river
9. Upper Thames
10. Saugeen Valley
11. Essex Region
12. St. Clair

Activities Supported:

- Technical Advice and Assistance: water management studies

Activities Supported: (cont'd)

- Capital Costs: support projects recommended in the study

Funding Method: 100% grants for water management studies

Resources:

Expenditures:	1986-87	$844,000
	1987-88	$950,000
Funding:	1988-89	$500,000

Eligibility Criteria: There are 12 priority watersheds eligible for assistance under this program (see 'Geographic Area Covered').

Priority/Selection Criteria: Not Available

Comments: This program is predominantly funding studies in its initial phase. The second phase will involve capital support, however eligible costs still have not been decided upon.

MINISTRY OF THE ENVIRONMENT - MOE18

Ministry: Ministry of the Environment: Recreational

Name of Program: Urban Beaches Program

Contact Person: Dale Henry
Head (Acting) - Stormwater and Combined Overflow Unit
Water Resources Branch
(416) 323-4975

Participants:

Lead
Ministry of the Environment

Other
None

Goals/Objectives: Development of new technology for the abatement of urban beach pollution.

Timeframe: Annually funded

Geographic Area Covered: Province-wide

Activities Supported: Technical Advice and Assistance: pollution control planning studies and pollutant source investigation.

Capital Cost:- facilities to treat/abate stormwater and combined sewer overflows;
- upgrade sewage treatment plants;

Activities Supported: (cont'd)

- innovative technology for beach protection and enhancement;
- sewer cross connection corrections.

Funding Method: Grants

Resources: PCP Funding 1987 - 88 $500,000
1988 - 89 $500,000

Eligibility Criteria: All Ontario urban municipalities

Priority/Selection Criteria: Not Available

Comments: The Water Resources Branch administers the PCP studies aspect of this program while the capital support is administered by the Project Engineering Branch.

MINISTRY OF INDUSTRY, TRADE AND TECHNOLOGY - MITT1

Ministry: Ministry of Industry, Trade and Technology

Name of Program: Ontario Development Corporation Loans and Guarantees

Contact Person: Rick Ingleson
Information Officer - Corporate Affairs
(416) 326-1126

Participants:

Lead
Ministry of Industry, Trade and Technology

Others
None

Goals/Objectives: To provide financial assistance designed to meet the specific needs of a business.

Timeframe: Annually funded

Geographic Area Covered: Province-wide

Activities Supported: Capital Costs: establishing new and expanding existing operations

Funding Method: Term loans and loan guarantees

Resources:

- Not available
- Development Corporations have a budget of several tens of millions of dollars per year

Eligibility Criteria: Secondary manufacturing industries in Ontario are eligible

Priority/Selection Criteria:

- Preference is given to those demonstrating financial need.
- The proposal submitted must be related to the development of the applicant's business.

Comments:

The most relevant use of these loans is probably for the purchase of pollution control equipment.

MINISTRY OF MUNICIPAL AFFAIRS - MMA1

Ministry: Ministry of Municipal Affairs

Name of Program: Program for Renewal, Improvement, Development and Economic Revitalization (PRIDE)

Contact Person: Dainora Juozapavicius
Manager (Acting) - Program Operations Section
Community Development Branch
(416) 585-6268

Participants:

Lead
Ministry of Municipal Affairs

Others
This is a joint program with individual municipalities.

Goals/Objectives: Comprehensive community improvement

Timeframe: Annually funded

Geographic Area Covered: Province-wide

Activities Supported:

- Technical Advice and Assistance: aiding in the establishment of a community improvement plan
- Education
- Capital Costs: building, improving, replacing public services, utilities, facilities; land and building acquisition; aesthetic improvements
- Operational Costs: administration

Funding Method:

Grants

- 50% of community improvement and land acquisition costs
- Grants must be matched by the municipality.
- Project must be completed within 4 years:
  - 1/3 must be spent by the end of year 2
  - 2/3 must be spent by the end of year 3

Resources:

Funds Allocated

1987-88 $16,600,000.00
1988-89 $15,025,000.00
1989-90 $18,110,500.00

Eligibility Criteria:

- Only municipalities can apply for PRIDE assistance.
- Municipalities must:
  1) have an official plan containing community improvement policies,
  2) have a property maintenance and occupancy by-law in place; and
  3) possess the financial and administrative capabilities to implement the policies.

Priority/Selection Criteria:

- Municipalities must be viewed as requiring improvement.
- Emphasis as on the degree to which the improvement will have a positive impact on the overall area and act as a catalyst for private sector investment.

Comments:

For example, this program would be applicable in the upgrading of an area to promote tourism. Possibly an effective program for enlisting support from municipal authorities as part of a broader development initiative.

MINISTRY OF NATURAL RESOURCES - MNR1

Ministry: Ministry of Natural Resources

Name of Program: Wetlands Management Program

Contact Person: Doug Hagan
Manager - Program Development and Audit Section
Wildlife Branch
(416) 965-7641

Participants:

Lead
Ministry of Natural Resources

Others
None

Goals/Objectives: Conservation/Preservation of wetlands

Timeframe: Annually funded

Geographic Area Covered: Province-wide

Activities Supported: Operational costs:

- property tax grants
- wetland securing waterfowl habitat management
- plan input and review

Funding Method:

Grants

- Property tax grants for owners of wetland property of 100%
- Wetland-securing: funding agreement with Wildlife Habitat Canada and Ducks Unlimited Canada

Funding Method: (cont'd)

- Waterfowl Habitat: funding agreement with above, plus Environment Canada
- Plan input and review

Resources:

- Approximately $1,000,000 was available in 1988 for securing wetlands. In 1989 and 1990 $250,000 will be matched with partnership funding from other organizations, to secure wetlands either through acquisition or stewardship agreements.

Eligibility Criteria:

- Wetland Securing: degree of threat by wetland class/value
- Conservation Land Act: all eligible owners of CI I-III wetlands may apply
- Waterfowl Habitat: waterfowl breeding/staying potential degree of threat

Priority/Selection Criteria:

- Habitat programs - selection by partners according to plans or agreement
- Tax rebate - no selection if landowner meets criteria

Comments:

- As the program is in transition (1989-90) further informations on funding is currently unavailable

MINISTRY OF NATURAL RESOURCES - MNR2

Ministry: Ministry of Natural Resources

Name of Program: Community Fisheries Involvement Programs (CFIP)

Contact Person: Allan Wainio
Fisheries Involvement Coordinator - Client Services Section
Fisheries Branch
(416) 965-7885

Participants:

Lead
Fish and Game Clubs
Northern Ontario Tourist Outfitters
Cottagers
School groups

Others
Individuals, Associations (e.g., Cottagers and Camp), Groups (Native and Youth) Commercial Fish Operators and Municipalities

Goals/Objectives: To involve private citizens in the improvement of aquatic habitat in streams and lakes, mainly for fish species.

Timeframe: Ongoing

Geographic Area Covered: All of Ontario

Activities Supported: Stream improvement, at spawning beds, bank riprap, bank shrubbery, deflectors, etc. Lake work such as creating shoals and stocking fish. Operating small fish hatcheries.

Funding Methods: Maximum of $8,000.00 granted to projects approved by district staff

Resources:

Funds Allocated

Year	Number of Projects	Funding ($000's) Project	Total
1982	24	49.1	121.0
1983	34	99.2	168.2
1984	122	500.9	450.9
1985	138	269.9	298.1
1986	191	476.4	526.6
1987	215	529.8	530.8
1988	230	433.1	522.6

Eligibility Criteria: Project must fit in with the District Fish Management Plan

Priority/Selection Criteria: Must directly assist the local fish resource

Comments: A widely successful program that is highly respected by the public and that is still growing.

MINISTRY OF NATURAL RESOURCES - MNR3

Ministry: Ministry of Natural Resources

Name of Program: Community Wildlife Involvement Programs (CWIP)

Contact Person: Laurel Whistance-Smith
Manager - Extension Development Section
Wildlife Branch
(416) 965-4252

Participants:

Lead
Wildlife Branch and Public (Proponents)

Others
Field MNR
Volunteers

Goals/Objectives:

- Habitat Enhancement and Management
- Education

Timeframe: 1985 and continuing

Geographic Area Covered: Ontario

Activities Supported:

- Volunteer Wildlife Management
- Habitat Enhancement and Management
- Education
- Surveys

Funding Methods: Applications and approval through District MNR

Resources:

- $300,000 is available to the program on an annual basis
- On individual projects, a ceiling of $3,000 is allotted; however, funding up to $8,000 may be considered. An average of $1,200 is awarded to projects.
- As of July 1990, funding for 1990 CWIP projects was exhausted.
- MNR field staff provide technical advice
- Proponent ingenuity MNR field manual provided to project participants.

Eligibility Criteria: Must help available wildlife guidelines.

Priority/Selection Criteria:

- See objectives
- Must satisfy set of guidelines available

Comments:

- "Partners" newsletter lists and reports on programs, and provides technical advice to participants.

MINISTRY OF NATURAL RESOURCES - MNR4

Ministry: Ministry of Natural Resources

Name of Program: Ontario Renewable Resources Research Grant Program (ORRRGP)

Contact Person: John Heywood
Research Grants Administrator - Financial Resources Branch
(416) 963-3049

Participants:

Lead

Ministry of Natural Resources (Review of Research Proposals by Independent Board)

Others

Goals/Objectives: The purpose of this research grant program is to finance renewable resource research at Ontario universities and comparable institutions that will:

1) Develop knowledge which will assist in maintaining and increasing the stock of fisheries, forestry and wildlife resources that in Ontario contribute directly and indirectly to economic and social benefits;

2) Enhance research capability related to the development, management, protection and rehabilitation of these renewable resources;

3) Stimulate collaboration and communications in this research between the ministry, university and other scientific communities;

Goals/Objectives: (cont'd)

4) Increase the amount of funding from the industrial, private non-profit and public sectors being devoted to this type of research.

Timeframe: Projects may be approved for one to five fiscal years. However, approval of renewals is not automatic

Geographic Area Covered: All of Ontario

Activities Supported: This program supports studies of up to five years duration that offer promise of assisting ministry managers to deal more effectively with short-term operational or longer-term strategic issues. To ensure relevance, applicants should acquaint themselves with current program concerns of ministry managers in the particular field or area proposed for the research project.

In addition to applied research, this program may support or supplement basic research of the type normally eligible for support by national councils, provided that relevance to ministry management problems is clearly demonstrated.

Proposals to develop knowledge in the following general areas will be considered:

1) Methods for better and more cost effective sampling and estimation of available resources.

2) Genetics, physiology and behaviour, leading to an improved understanding of the resource as well as the limits to its productivity potential.

Activities Supported: (cont'd)

3) Structure, interactions and dynamic changes of ecosystems, leading to new insights into their responses to natural and man-made environmental factors.

4) Development and validation of indicies, models or cause-effect relationships to predict changes in resource productivity over time under various management regimes and external stresses.

5) Restoration and rehabilitation of degraded environments and depleted resources.

6) Evaluation of effects of changing consumer demands and preferences on resources and their utilization.

7) Development of methodologies to evaluate the efficiency and effectiveness of compliance mechanisms (legislative, enforcement and other) used in resource management.

Funding Methods: Applications from researchers are reviewed by a Review Board and if approved recommended to the Minister for funding.

Resources: Transfer payments:
Grants for Ontario Renewable Resources Research Program:

1990 - 91	$715,000 (estimated)

Eligibility Criteria: Applications may be submitted by faculty members at Ontario universities or researchers with similar academic qualifications formally associated with a comparable institution. The university of research institution must act as the sponsor of the project.

Priority/Selection Criteria: Research Proposals are evaluated against two broad criteria;

1) Scientific merit
2) Relevance to Ministry Programs

Proposals are ranked based on a score of one to ten on each criterion.

Comments: Applications must be forwarded on or before November 15 to:

John Heywood
Research Grants Administrator
Ministry of Natural Resources
Financial Resources Branch
Room 4501, Whitney Block
Queen's Park, Toronto

Approved applications are initially funded for a 12 month period, from April 1 to March 31.

MINISTRY OF TOURISM AND RECREATION - MTR1

Ministry: Ministry of Tourism and Recreation

Name of Program: Community Recreation Development Program

Contact Person: Don Payne
Manager - Recreation Services Section
Recreation Policy Branch
(416) 965-5665

Participants:

Lead
Ministry of Tourism and Recreation

Others
None

Goals/Objectives: To provide assistance at the local, regional and provincial levels to co-ordinate, develop and provide safe, affordable and equitable recreation opportunities for all residents of Ontario.

Timeframe: Annually funded

Geographic Area Covered: Province-wide

Activities Supported:

- Planning, feasibility studies, operational reviews
- Marketing Studies
- Research
- Organizational Effectiveness: new technology, facility and program management improvement projects - purchase of equipment, administrative support
- Leadership development
- Participation development

Funding Methods:

Grants

- Planning, marketing and research to a maximum of 75%
- Other areas to a maximum of 50%

Resources:

Funding:

1989-90 - $13 million non-capital costs and approximately $28 million capital costs

Eligibility Criteria:

- Any municipality, community area or provincial non-profit organisation which develops recreational opportunities in Ontario
- Projects which do not depend on provincial support for ongoing development

Priority/Selection Criteria:

- Planning which results in an increased co-operation between the public and private sector
- Areas that are judged to be in need of enhancement
- The number and range of beneficiaries of a project

Comments:

Not Available

APPENDIX: ADDRESSES FOR CONTACTS

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